



**Governor's STEM Advisory Council  
Executive Committee  
March 12, 2012  
9:30am – 11:30am**

**PRESENT:**

**EXECUTIVE COMMITTEE PRESENT ON SITE:**

Lt. Governor Kim Reynolds  
President Benjamin Allen  
Rob Denson  
Debi Durham  
Don Frazer  
Teresa Wahlert  
Jeff Weld, Executive Director

**DIAL IN MEMBERS:**

John Carver  
Raynard Kington  
Teresa Wahlert

**MEMBERS PRESENT VIA VIDEOCONFERENCE:**

Barry Butler (proxy for President Mason)  
Gail Wortmann

**Not Represented**

Steven Leath  
Jason Glass

**PRESENTERS**

Douglas Dorner, committee member, Council member  
Deb Dunkhase, committee chair Council member  
Teresa Finken, committee chair, Council member  
Jeff Herzberg, committee chair, Council member (phone)  
Ken Maguire, committee member  
Michelle Rich, committee chair  
Victoria Sharp, committee co-chair, Council member (phone)  
Ann Watts, committee member

**GUESTS AND STAFF**

Carmine Boal, Governor's Office  
Brenda Buzynski, UNI President's office  
David Drake (via videoconference), UI  
Linda Fandel, Governor's Office  
Billi Hunt, Pioneer  
Kari Jastorff (via videoconference), IMSEP  
Caitlin Oponski, Governor's Office  
Tonja Richards, IMSEP  
Elliott Smith, IBC

**AGENDA:**

**Opening Remarks.**

President Allen welcomed the executive committee and guests, thanking everyone for their efforts. He observed that this point of arriving at deliverables is a very important time in a very active venture. Lt. Governor Reynolds recognized the momentum surrounding the work of the STEM Council and thanks everyone for their dedication.

**Updates.**

Exec. Dir. Weld shared the dissemination pathways for Regional Network RFP released last week after the excellent work of President Rob Denson and his committee. Notice was sent to each public

university Provost's office, each Chief Academic Officer of Iowa's community colleges, to the President of the Iowa Association of Independent Colleges and Universities, Iowa's informal STEM network, Iowa Innovation Gateway, Iowa Chambers of Commerce, the Technology Association of Iowa, the Iowa Business Council, the Iowa Association of Business and Industry, the Iowa Biotechnology Association, the Iowa Department of Education, Iowa Area Education Agencies, County Extension offices, the School Administrators of Iowa, the Iowa Academy of Science, and the Iowa Council of Foundations. Applications are due April 6.

#### **Item 1: Second review and discussion of Scale-Up call for applications, and review of evaluative rubric**

Scale-up plan subcommittee chairwoman Deb Dunkhase informed the executive committee of her subcommittee's progress in developing a recommended process for soliciting applications for scale-up, for evaluating those applications through a rubric, and for identifying an appropriate body of screeners of applications and their mode of selection. With the (relative) luxury of time regarding decisions on the composition of the screening and selection committee and their process, it was agreed that at this time the vote would be limited to decision-making on release of the call for applications, and the evaluative rubric. Subcommittee chairwoman Dunkhase and Exec. Dir. Weld will work to develop a schematic of the selection process to present to the Executive Committee at a subsequent meeting.

Following discussion, a motion was forwarded by Mr. Schickler to proceed with a vote regarding the endorsement of the Scale-up application and rubric as presented by chairwoman Dunkhase. The motion was seconded by Provost Butler. The Executive Committee vote was unanimous in support of endorsement. The call for proposals is to be released and disseminated on March 13, 2012. Applications are due on May 30, 2012. The call for proposals is at <http://www.iowamathscience.org/Scale>

#### **Item 2: Review and Discussion of seven draft Action Plans**

Weld began by framing these presentations as "fresh" and "raw" and "hot off the press" drafts of plans that have been in development since Chairs were identified on October 31, 2011. Chairs have been meeting almost weekly to coordinate, though reports rapidly congealed late in the process. The committees that developed these plans have been meeting in frequent and creative ways since November. This is merely the first checkpoint; the Plans are expected to evolve considerably in the coming months in response to reviewer feedback. All Action Plan drafts may be viewed at [http://www.iowamathscience.org/exec\\_comm](http://www.iowamathscience.org/exec_comm)

1. STEM Policy draft, chaired by Michelle Rich.
2. STEM Public-Private Partnerships, chaired by Jordan Cohen (presented by Don Frazer)
3. STEM Public Awareness, chaired by Jeff Herzberg
4. STEM Teacher Recruitment and Preparation, chaired by Teresa Finken
5. STEM For All: highly-abled, under-represented, and non-traditional, co-chaired by Raynard Kington and Victoria Sharp
6. Technology-enhanced STEM Instruction, chaired by John Carver
7. Post-secondary STEM Readiness, chaired by Steve Triplett (presented by Ann Watts, Ken Maguire and Douglas Dörner)

Extensive discussion followed each presentation. Common threads were identified to be woven throughout the Plans, including an interest in competency/outcomes based learning, active inquiry/problem-based educational approach, integration of the Arts in STEM, the need for partnerships of the public and private sectors involving incentives, the articulation of preK-12 and undergraduate preparation to workforce needs, solutions to teacher and student retention in STEM, consideration of STEM endorsement and STEM integration at the school level, STEM-focused schools, and consistent calls for the coordination and re-definition of STEM teacher professional development preK through undergraduate.

### **Item 3: Next Steps**

1. The request for proposals for Network Hub is in week 2 of release; on target toward April 6 deadline. April 12 decision point.
2. The call for applications for Scale-up is released and disseminated on March 13, due May 31.
3. Draft action plans:
  - a. Immediately posted to the Council's website for review;  
([http://www.iowamathscience.org/exec\\_comm](http://www.iowamathscience.org/exec_comm))
  - b. Standardized formatting will be managed by the IMSEP staff;
  - c. Input from Council members and others is encouraged – to Chairs or to Exec. Director.
  - d. In April, a “merger meeting” will be convened of the Chairs for preparing a singular Action Plan.
  - e. Continuous revisions on the part of Chairs as feedback may dictate, leading up to May 15 – State STEM Summit at which Plans are to be publically debuted.
  - f. Public comment period following Summit until final Plans brought to Executive Committee on September 19, 2012.

### **CLOSURE**

President Allen, speaking on behalf of both co-chairs since the Lt. Governor needed to depart for an appointment at the Capitol, thanked the executive committee and all the subcommittee chairs and presenters for all of their hard work moving us forward.

ADJOURNED 11:37AM

NEXT MEETING: April 11, 2012

Compiled by Jeff Weld with input from Kari Jastorff  
3-13-2012